Index of Claims

| Ammliant | :10      | -41  | NI- |
|----------|----------|------|-----|
| Applicat | 1011/601 | IUOI | NO. |

09/848,225

Examiner

Lakshmi S. Channavajjala

Applicant(s)/Patent under Reexamination

SHIROYAMA ET AL.

Art Unit

1615

| 1 | Rejected |
|---|----------|
| = | Allowed  |

|   | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| Z | Non-Elected  |  |
|---|--------------|--|
| ı | Interference |  |

| A |   | Appeal   |
|---|---|----------|
| C | ) | Objected |

| Cla   | aim      |              |   |                    |  | Dat  | te           |              |              |   |          | ]   |   | Clai   | m             |          |          |  | [                                      | Date                                | e  |              |          |                    |          | Cli      | aim        |                |   |              | [             | Date         | е        |          |          |          |
|-------|----------|--------------|---|--------------------|--|--|--------------|--------------|--------------|---|----------|-----|---|--------|---------------|----------|----------|--|--|-------------------------------------|--|--------------|----------|--------------------|----------|----------|------------|----------------|---|--------------|---------------|--------------|----------|----------|----------|----------|
| _     | <u>7</u> |              |   |                    |  |  |              | l            |              |   |          |     | ۱_  | .      | ā             |          |          |  |  |                                     |  |              |          |                    |          | _        | <u>a</u>   |                |   |              |               |              |          |          |          |          |
| Final | Original |              |   |                    |  |  |              |              | - [          |   |          |     | Final   |        | Original      |          |          |  |  |                                     |  |              |          |                    |          | Final    | Original   |                |   |              |               |              |          |          |          |          |
| ш     | ō        |              |   |                    |  |  |              |              |              |   |          |     | ļ u   | ٠      | ō             |          |          |  |  |                                     |  |              |          |                    |          | և        | ō          |                |   |              |               |              |          | ŀ        |          |          |
|       | 1        |              |   | <u> </u>           | ┢  | ╁  | +            | +            | +            |   |          | ł   | $\vdash$  | +      | 51            |          |          | ⊢  | ⊢                                      |                                     | <del> </del>                                     | -            |          |                    | 1        |          | 101        |                |   | -            |               | $\vdash$     | $\vdash$ |          | Н        | $\dashv$ |
|       | 2        | -            |   | ┝                  | ┢  | ╁  | ╁            | +            | $\dashv$     |   | ├        | ł   | -   |        | 52            |          | _        | ⊢  | -                                      | ├                                   | $\vdash$   | ├            | ┢        | ├                  | 1        |          | 102        | -              | _ |              | $\vdash$      | ┝            | ├        | -        | Н        | $\dashv$ |
|       | 3        | -            |   |                    | ┢  | +  | +            | ╁            | $\dashv$     | _ | ├─       | ł   | -   |        | 53            |          |          | -  |  | -                                   | $\vdash$   | $\vdash$     | ⊢        | ├-                 |          | <u> </u> | 103        | $\dashv$       |   | -            | -             | -            |          | _        | Н        | $\dashv$ |
|       | 4        | $\vdash$     | _ | $\vdash$           | ┢  | +  | ╁            | +            | +            |   | -        | i   | -   |        | 54            |          |          | -  | $\vdash$                               | ┢                                   | <del>                                     </del> | $\vdash$     | ┢        | <del> </del>       | 1        | <u> </u> | 104        |                | _ | -            | -             | -            |          | H        | -        |          |
|       | 5        | Н            |   |                    | H  | ┢  | ╁            | +            | 7            |   | $\vdash$ | 1   | $\vdash$  | $^{+}$ | 55            |          |          | <del>                                     </del> | ┢                                      | $\vdash$                            | <del>                                     </del> | _            | ┢        | $\vdash$           | 1        |          | 105        |                |   | Н            |               | Н            | $\vdash$ | $\vdash$ | Н        | $\neg$   |
|       | 6        |              | , | _                  | t  | <b>†</b>   | T            | +            | 7            |   |          | 1   | $\vdash$  |        | 56            |          |          | <del>                                     </del> | <u> </u>                               |                                     |  |              | $\vdash$ |                    | 1        |          | 106        |                | _ |              |               | Г            |          |          |          |          |
|       | 7        | V            | _ |                    | T  | T  | T            | $\top$       | 7            | _ | $\vdash$ | 1   |   |        | 57            |          |          |  |  |                                     |  |              |          |                    | 1        |          | 107        |                |   |              |               |              |          |          |          |          |
|       | 8        |              |   |                    | Ī  |  | Г            | T            | T            |   |          | 1   |   |        | 58            |          |          |  |  |                                     |  |              |          | Г                  | ١        |          | 108        |                |   |              |               |              | Г        |          |          |          |
|       | 9        |              |   |                    |  |  |              |              |              |   |          | ]   |   |        | 59            |          |          |  |  |                                     |  |              |          |                    | <u> </u> |          | 109        |                |   |              |               |              |          |          |          |          |
|       | 10       |              |   |                    |  |  |              |              |              |   |          | ]   |   |        | 60            |          |          |  |  |                                     |  |              |          |                    |          |          | 110        |                |   |              |               |              |          |          |          |          |
|       | 11       |              | • |                    |  |  |              | Ι            | $\int$       |   |          | ]   |   |        | 61            |          |          |  |  |                                     |  |              |          |                    |          |          | 111        |                |   |              |               |              |          |          |          |          |
|       | 12       | マ            | , |                    |  |  | L            | Ţ            | $\bot$       |   |          | ]   |   |        | 62            |          |          |  |  | $\Box$                              |  |              | Ë        | $\Box$             |          |          | 112        |                |   |              |               | L_           |          |          |          |          |
|       | 13       | · /          |   | L.                 | L  | L  | L            | $\perp$      | _[           |   |          |     | $\Box$  |        | 63            |          |          |  | ــــــــــــــــــــــــــــــــــــــ | L                                   | ļ  |              |          |                    | -        |          | 113        |                |   | L            | _             | <u> </u>     | <u> </u> |          | Ш        | Ш        |
|       | 14       | W            |   | L                  |  |  | $\perp$      | $\perp$      | $\perp$      |   | _        | 1   | $\perp$   |        | 64            |          |          | _  | <u> </u>                               | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | <u> </u>   | _            | <u> </u> | L                  |          |          | 114        |                |   | Ш            |               | <u> </u>     | Ц.       | ļ        | Ш        | Щ        |
|       | 15       | Ĺ            |   | L                  | L  | 1  | $\perp$      | $\perp$      | 4            |   | <u>_</u> | ١.  |   |        | 65            | _        |          | _  | <u> </u>                               | lacksquare                          | <u> </u>   | _            | <u> </u> | <u> </u>           | ļ. ļ     |          | 115        | Щ.             |   | $\vdash$     | _             | <u> </u>     | _        | ļ        | Щ        | Щ        |
|       | 16       | $oxed{oxed}$ |   | <u> </u>           | L  | 1_   | $\perp$      | 4            | 4            |   | _        | '   | $\vdash$  |        | 66            |          |          | _  | $\vdash$                               | <u> </u>                            | <u> </u>   | <u> </u>     | <u> </u> | <u> </u>           | 1        |          | 116        | Ш              |   | $\vdash$     | <u> </u>      |              | <b> </b> | <u> </u> | $\vdash$ | Щ        |
|       | 17       | ļ            |   | ldash              | <del> </del>                                     | ـ  | ╁            | 4            | $\downarrow$ |   | <u> </u> | ł   | <u></u>   |        | 67            |          | _        | <u> </u>   | ┡                                      | <u> </u>                            | ļ  |              | ▙        | -                  |          |          | 117        | _              |   | $\vdash$     | <u> </u>      | L            |          | _        |          | _        |
|       | 18       | ļ            |   | <u> </u>           | <u> </u>   | ┢  | ╀            | +            | 4            |   | <u> </u> | ł   | <u> </u>  |        | 68            |          | _        | <u> </u>   | L                                      | ⊢                                   | -  |              |          | ⊢                  |          | <u> </u> | 118        | -              | _ | <u> </u>     |               | -            | <u> </u> | <u> </u> | Н        |          |
|       | 19       | <u> </u>     |   |                    | <u> </u>   | +  | ╀            | +            | +            |   | ├        |     | -   |        | 69            |          | _        | ⊢  | -                                      | ├                                   | -  | -            | <u> </u> | ┢                  | 1        | ļ        | 119        |                |   | $\vdash$     | H             |              |          | <u> </u> | $\vdash$ | $\dashv$ |
|       | 20       | _            |   | <u> </u>           | -  | -  | ╀            | +            | $\dashv$     |   | ├-       | :   | -   |        | 70<br>71      | _        | _        | -  | -                                      | $\vdash$                            | $\vdash$   | ⊢            | ├        | ⊢                  | 1        | <u> </u> | 120<br>121 |                |   | -            | -             |              | -        | _        | Н        | $\dashv$ |
|       | 21<br>22 | -            |   |                    | <u> </u>   | -  | +            | +            | +            |   | ├-       | l " | -   |        | 72            |          | _        | ⊢  | $\vdash$                               | -                                   | ┝  | ⊢            | ┢        |                    | ł        |          | 122        |                |   | $\vdash$     | <u> </u>      | ┝            | -        |          | Н        | $\dashv$ |
|       | 23       | $\vdash$     | _ | ┝                  | -  | ╁  | ╁            | +            | +            |   |          | 1   | -   |        | 73            | -        | -        | ├  | -                                      | -                                   | ╁  |              | -        |                    | ł        | <u> </u> | 123        |                |   | -            | ┝             | $\vdash$     | $\vdash$ | _        | Н        | $\dashv$ |
|       | 24       | $\vdash$     |   |                    | ┼─   | ╁  | ╁            | +            | +            |   |          | ł   | $\vdash$  |        | 74            |          |          | ┢  |  | ├─                                  | ┢  | -            | ┢        | ┢                  | ł        |          | 124        | $\vdash$       |   | $\vdash$     | $\vdash$      | -            | -        | -        | Н        | Н        |
|       | 25       | -            |   | -                  | ┢  | $\vdash$   | ╁            | ╁            | $\dashv$     | _ | $\vdash$ | 1   | -   |        | <del>75</del> |          | $\vdash$ | -  | -                                      |                                     |  | $\vdash$     | ┢        | -                  | 1        | ├──      | 125        |                | _ | $\vdash$     | $\vdash$      | H            | _        |          | -        | $\dashv$ |
|       | -26-     |              |   |                    |  | _  | -            |              | =            | _ |          |     | -   |        | 76-           |          | =        |  | _                                      | =                                   | =  | -            |          | =                  | <b> </b> |          | -126-      |                | _ | =            | =             |              | =        |          |          |          |
| -     | 27       | $\vdash$     |   | -                  | ┢╾   | ${\dagger}$                                      | +            | +            | +            |   | -        | 1   |   | +      | 77            |          |          | $\vdash$   |  | $\vdash$                            | H  |              | -        | ┢┈                 | ŀ        |          | 127        |                |   |              | _             | ┢            |          | $\vdash$ | Н        |          |
|       | 28       | $\vdash$     |   | $\vdash$           | <del>                                     </del> | +  | $^{\dagger}$ | $^{+}$       | 7            |   | $\vdash$ | 1   |   |        | 78            |          |          | 1  |  | Г                                   | t  | $\vdash$     | $\vdash$ | $\vdash$           | i        |          | 128        | $\neg$         |   |              |               | -            |          | Т        | П        |          |
|       | 29       | $\vdash$     |   | $\vdash$           | $\vdash$   | <del>                                     </del> | +            | $^{\dagger}$ | 1            |   | ┢═       | 1   |   |        | 79            | $\neg$   | _        | $\vdash$   | _                                      | T                                   | † <u> </u>                                       | _            | $\vdash$ |                    | 1        |          | 129        |                |   | $\vdash$     | $\overline{}$ |              |          |          | П        |          |
|       | 30       | $\vdash$     | _ |                    | <del>                                     </del> | 1  | $\top$       | $^{\dagger}$ | 1            |   | 1        | 1   |   |        | 80            |          |          |  |  |                                     |  |              | Τ        | Г                  | 1        |          | 130        |                |   |              |               |              |          |          |          |          |
|       | 31       |              |   |                    |  |  | T            | Т            | T            |   |          | 1   |   |        | 81            |          |          |  |  |                                     |  |              |          | Г                  | 1        |          | 131        |                |   |              |               |              |          |          |          |          |
|       | 32       |              |   |                    |  |  | Τ            | 1            | 7            |   |          | 1   |   |        | 82            |          |          |  |  |                                     |  |              |          |                    |          |          | 132        |                |   |              |               |              |          |          |          |          |
|       | 33       |              |   |                    |  |  | Τ            | T            |              |   |          | ]   |   |        | 83            |          |          |  |  |                                     |  |              |          |                    |          |          | 133        |                |   |              |               |              |          |          |          |          |
|       | 34       |              |   |                    |  |  |              | Ι            |              |   |          | ] ' |   |        | 84            |          |          |  |  |                                     |  |              |          |                    |          |          | 134        |                |   |              |               |              |          |          |          |          |
|       | 35       |              |   |                    |  |  |              |              | I            |   |          | ]   |   |        | 85            |          |          |  | $\Box$                                 | L                                   |  |              | $\Box$   | $oxedsymbol{oxed}$ | Į        |          | 135        |                |   | Ш            |               | Ш            | igsqcut  | L        | Ш        |          |
|       | 36       |              |   | _                  | Ĺ  |  | L            |              | $\perp$      |   | L        | Į   |   |        | 86            |          |          | _  | $ldsymbol{ldsymbol{ldsymbol{eta}}}$    | <u> </u>                            | <u> </u>   |              |          | L_                 | Į        |          | 136        | Ш              |   | $oxed{oxed}$ | _             | <u> </u>     | <u> </u> |          | Щ        | Ш        |
|       | 37       | Ш            |   | $oxedsymbol{oxed}$ | L  | $\perp$  |              | $\perp$      | $\perp$      |   | L        | 1   | L   |        | 87            | $\Box$   |          | $oxed{oxed}$                                     | <u> </u>                               | L                                   | _  | _            | <u> </u> | <u> </u>           |          |          | 137        | Ш              |   |              |               | ╙            | <u> </u> |          | Щ        | Щ        |
|       | 38       | L_           |   |                    |  | _  | $\perp$      | $\perp$      | $\downarrow$ |   | L        | ļ   | $ldsymbol{le}}}}}}$ |        | 88            |          |          | <u> </u>   | Щ                                      | $ldsymbol{f eta}$                   | <u>L</u>   | $oxed{oxed}$ | <u> </u> | L_                 |          |          | 138        | Щ              |   | L            | L             | <u> </u>     | <u> </u> |          | Щ        | Щ        |
|       | 39       | L.,          |   |                    | _  | 1_   | ╄            | $\perp$      | 4            |   | _        |     | L_  |        | 89            |          |          | <u> </u>   | <u> </u>                               | <u> </u>                            | $\vdash$   | <u> </u>     | <u> </u> | <u> </u>           |          | <u> </u> | 139        | L              |   | Щ            |               | $\vdash$     |          |          |          | Ш        |
|       | 40       | $\vdash$     |   | <u> </u>           | L  | $\perp$  | ╄            | 4            | 4            |   | <u> </u> | Į   |   |        | 90            | _        |          | $\vdash$   | ⊢                                      | $\vdash$                            | <b>!</b>   | <u> </u>     | <u> </u> | <u> </u>           |          |          | 140        | $\sqcup$       |   | $\vdash$     | ļ             | <b> </b>     |          |          | Щ        | Ш        |
|       | 41       | $\vdash$     |   | _                  | _  | $\vdash$   | $\perp$      | 4            | 4            |   | _        | 1   | $\vdash$  | +      | 91            |          |          | ⊢  | $\vdash$                               | $\vdash$                            | ⊢  | $\vdash$     | <u> </u> | <u> </u>           |          | _        | 141        | $\sqcup$       |   | <u> </u>     |               | <del> </del> | $\vdash$ |          |          | Н        |
|       | 42       |              |   | _                  | -  | ┼-   | ╀            | +            | +            | _ | L        | -   | <u> </u>  |        | 92            |          |          |  | <u> </u>                               | <u> </u>                            |  | ├            | -        | $\vdash$           |          |          | 142        | Н              |   | <u> </u>     | <u> </u>      | $\vdash$     | $\vdash$ | _        | Н        | Н        |
|       | 43       | -            |   | <u> </u>           | -  | ┼  | +            | +            | +            |   | -        | -   | -   |        | 93            | -        |          |  | -                                      | -                                   | ├-   |              |          | $\vdash$           |          |          | 143<br>144 | Н              |   |              | _             | $\vdash$     | $\vdash$ | _        | Н        | $\vdash$ |
|       | 44<br>45 |              | _ | <u> </u>           | -  | +  | ╀            | +            | $\dashv$     | - | _        | 1   | $\vdash$  |        | 94<br>95      | $\dashv$ |          |  | -                                      | $\vdash$                            | ├  |              | -        | $\vdash$           | i        |          | 145        | Н              | - |              | <u> </u>      | $\vdash$     | $\vdash$ | _        | Н        | $\vdash$ |
|       | 46       |              | _ | <u> </u>           | -  | ┼  | +-           | +            | +            | - |          | 1   | -   |        | 95<br>96      |          |          | $\vdash$   | $\vdash$                               | $\vdash$                            | $\vdash$   | $\vdash$     | $\vdash$ | $\vdash$           |          | $\vdash$ | 146        | $\vdash\dashv$ |   | $\vdash$     | _             | $\vdash$     | $\vdash$ | -        | Н        | $\dashv$ |
|       | 46       | $\vdash$     |   |                    | -  | +-   | +            | +            | +            | - |          | 1   |   |        | 96            |          |          | $\vdash$   | $\vdash$                               | ├                                   | $\vdash$   | $\vdash$     | $\vdash$ | $\vdash$           |          |          | 147        | $\vdash$       | - | $\vdash$     | -             | -            | -        |          | Н        | $\vdash$ |
|       | 48       | -            |   |                    | $\vdash$   | $\vdash$   | ╁            | +            | +            |   | -        | 1   |   |        | 98            | $\dashv$ |          | $\vdash$   | $\vdash$                               | ┝                                   | ├  | $\vdash$     | $\vdash$ | $\vdash$           |          |          | 148        | $\vdash$       | - | $\vdash$     | -             | -            | $\vdash$ | -        | $\vdash$ | $\vdash$ |
|       | 49       |              |   |                    |  | +  | +            | +            | +            | - | -        | ł   | $\vdash$  | +      | 99            | $\dashv$ | _        | $\vdash$   | $\vdash$                               | ├                                   | -  | ├            | -        | -                  |          |          | 149        |                | _ |              | $\vdash$      |              | $\vdash$ |          | Н        | $\dashv$ |
|       | 50       | $\vdash$     |   | H                  | $\vdash$   | +  | +            | +            | +            | - | -        | ł   | $\vdash$  | +.     | 100           | $\dashv$ |          | $\vdash$   | $\vdash$                               | $\vdash$                            | $\vdash$   | $\vdash$     | $\vdash$ | <del>  -</del>     |          |          | 150        | $\vdash$       |   |              | $\vdash$      | $\vdash$     | -        |          | Н        | $\dashv$ |